INSPECTORATE

QUALITY CERTIFICATE

Vessel	"New Hampshire"	Port	Providence, RI	Report	121606
Customer	Sprague Energy	Date	December 11, 2006	Reference	
Operation	Analysis	Terminal	Sprague Providence	Sample #	1134044

Name of material being tested
Description of sample source
Samples Drawn by (company)
Samples Tested by (company)

No. 6 Fuel Oil
Shore Tank 6 After Discharge
Inspectorate
Inspectorate

Tests being Performed	Test method	Sample Results		
Gravity API @ 60F / Denisty	D - 4052	12.1	/	0.9853
Flash Point, PMCC, F	D - 93		184	
Viscosity cSt @ 104F	D - 445		352.6	
Viscosity SSU @ 104F	D - 2161		166.5	
Pour Point C / F	D - 97		-6 / 21	
Sulfur , Wt%	D - 4294		0.898	
Water and Sediment, Vol %	D - 1796		<0.01	
Sediment by Extraction, wt%	D - 473		0.05	
Water by Distillation, Vol%	D - 95		<0.1	
Gross Heat of Combustion, BTU / lb	D - 240		18,388	
Gross Heat of Combustion, BTU / gal	D - 240		150,897	
Ash, wt %	D - 482		0.05	
Vanadium, ppm	D - 5863B		68	
Sodium, ppm	D - 5863B		6	
Nitrogen, wt%	D - 5762		0.484	
Ashphaltenes, wt%	IP - 143		4.53	
Conradson Carbon Residue	D - 189		7.65	

** Annotates Analysis Contracted Out

*** Annotates Loadport information- this test was not performed by Inspectorate

Michael White